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TJP3 (N) Antibody, Rabbit Polyclonal

Cat#: R1671-1

Quantity: 100 ul

Predicted | Observed M.W.: 103 kDa

Lot#: Refer to vial

Application: WB, IP

Uniprot ID: O95049

Background:

Tight junction protein 3 (TJP3) is a member of the membrane-associated guanylate kinase-like (MAGUK) protein family which is characterized by members having multiple PDZ domains, a single SH3 domain, and a single guanylate kinase-like (GUK)-domain. In addition, members of the zonula occludens protein subfamily have an acidic domain, a basic arginine-rich region, and a proline-rich domain. TJP3 plays a role in the linkage between the actin cytoskeleton and tight-junctions and also sequesters cyclin D1 at tight junctions during mitosis. Alternative splicing results in multiple transcript variants encoding distinct isoforms of TJP3 [provided by RefSeq].

Other Names:

Tight junction protein ZO-3, Tight junction protein 3, Zona occludens protein 3, Zonula occludens protein 3, ZO3

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human TJP3. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

IP: 1:100-1:200

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

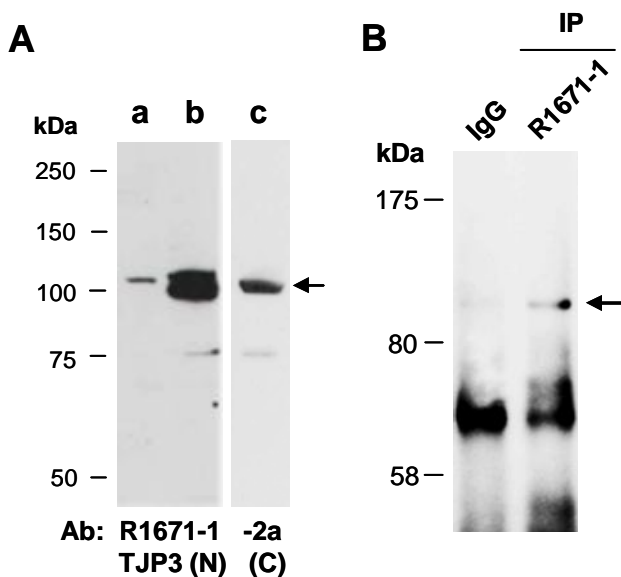


Fig 1. (A) Western blot of total cell extracts from a. human HeLa; b, c. human Jurkat; using 2 independent Abs against 2 distinct regions of human TJP3 at RT for 2 h. **(B)** Total extracts from human Jurkat were immunoprecipitated (IP) with IgG or anti-TJP3 (N) (R1671-1); followed by WB with the same Ab.